

## SEQUENCE LISTING

<110> Kerri MOWEN  
Laurie H. GLIMCHER

<120> MODULATION OF IMMUNE SYSTEM FUNCTION BY  
MODULATION OF POLYPEPTIDE ARGININE METHYLTRANSFERASES

<130> HUI-054US

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<151> 2004-12-20

<150> 60/531,482

<151> 2003-12-18

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<213> Mus musculus

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## HUI-054US'

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Glu	Gly	Tyr	Arg	Glu	Pro	Leu	Cys	Leu	Ser	Pro	Ala	Ser	Ser	Gly	Ser
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Ser	Ala	Ser	Phe	Ile	Ser	Asp	Thr	Phe	Ser	Pro	Tyr	Thr	Ser	Pro	Cys
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Asn	Ile	Pro	Ala	His	Tyr	Ser	Pro	Arg	Thr	Ser	Pro	Ile	Met	Ser	Pro
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## HUI-054US

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[illegible]

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 <212> PRT  
 <213> Mus musculus

<400> 8

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Pro	Ala	Asp	Leu	Glu	Pro	Asp	Asp	Cys	Ala	Ser	Ile	Tyr	Ile	Phe	Asn
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Tyr	Ser	Pro	Leu	Gly	Gly	Pro	Lys	Pro	Phe	Glu	Cys	Pro	Ser	Ile	Gln
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&lt;213&gt; Mus musculus

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Phe His Asn Arg His Leu Phe Lys Asp Lys Val Val Leu Asp Val Gly
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Ser Gly Thr Gly Ile Leu Cys Met Phe Ala Ala Lys Ala Gly Ala Arg
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Lys Val Ile Gly Ile Glu Cys Ser Ser Ile Ser Asp Tyr Ala Val Lys
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Lys Val Glu Glu Val Glu Leu Pro Val Glu Lys Val Asp Ile Ile Ile
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Val Leu His Ala Arg Asp Lys Trp Leu Ala Pro Asp Gly Leu Ile Phe
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Pro Asp Arg Ala Thr Leu Tyr Val Thr Ala Ile Glu Asp Arg Gln Tyr
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Lys Asp Tyr Lys Ile His Trp Trp Glu Asn Val Tyr Gly Phe Asp Met
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Ile Tyr Thr Val Lys Val Glu Asp Leu Thr Phe Thr Ser Pro Phe Cys
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Leu	Asp	Phe	Lys	Gly	Gln	Leu	Cys	Glu	Leu	Ser	Cys	Ser	Thr	Asp	Tyr
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 Gly Leu Glu Val Ser Gly Lys Leu Arg Val Ala Leu Ser Asn His Leu  
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gag Glu	ccc Pro	aca Thr	agc Ser 180	cat His	tac Tyr	agg Arg	atg Met	ttt Phe 185	gtg Val	gat Asp	gtg Val	gtc Val	ttg Leu 190	gtg Val	gac Asp	576
cag Gln	cac His	cac His 195	tgg Trp	cgg Arg	tac Tyr	cag Gln	agc Ser 200	ggc Gly	aag Lys	tgg Trp	gtg Val	cag Gln 205	tgt Cys	gga Gly	aag Lys	624
gca Ala	gaa Glu 210	ggc Gly	agc Ser	atg Met	cca Pro	ggg Gly 215	aac Asn	cgc Arg	tta Leu	tat Tyr	gtc Val 220	cac His	cca Pro	gac Asp	tcc Ser	672
ccc Pro 225	aac Asn	acc Thr	gga Gly	gcc Ala	cac His 230	tgg Trp	atg Met	cgc Arg	cag Gln	gaa Glu 235	gtt Val	tca Ser	ttt Phe	ggg Gly	aag Lys 240	720
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Leu	Trp	Ser	Lys	Phe	Asn	Gln	His	Gln	Thr	Glu	Met	Ile	Ile	Thr	Lys	
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Glu	Pro	Thr	Ser	His	Tyr	Arg	Met	Phe	Val	Asp	Val	Val	Leu	Val	Asp	
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Gln	His	His	Trp	Arg	Tyr	Gln	Ser	Gly	Lys	Trp	Val	Gln	Cys	Gly	Lys	
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Ala	Glu	Gly	Ser	Met	Pro	Gly	Asn	Arg	Leu	Tyr	Val	His	Pro	Asp	Ser	
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Pro	Asn	Thr	Gly	Ala	His	Trp	Met	Arg	Gln	Glu	Val	Ser	Phe	Gly	Lys	
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Leu	Lys	Leu	Thr	Asn	Asn	Lys	Gly	Ala	Ser	Asn	Asn	Val	Thr	Gln	Met	
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Glu	Val	Asn	Asp	Gly	Glu	Pro	Glu	Ala	Ala	Cys	Ser	Ala	Ser	Asn	Thr	
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His	Val	Phe	Thr	Phe	Gln	Glu	Thr	Gln	Phe	Ile	Ala	Val	Thr	Ala	Tyr	
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Pro	Asn															
	530															